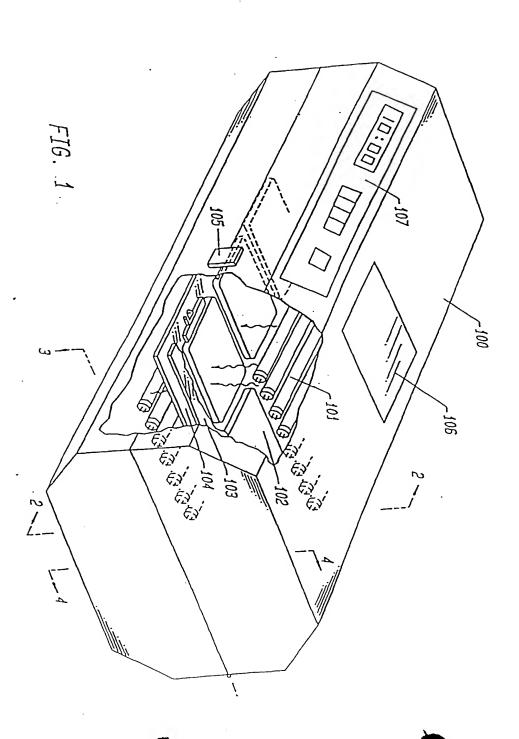
Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS
Inventor(s): Derek J. HEI and George D. CIMINO
Application No.: 10/051,976
Docket No.: 282172000902

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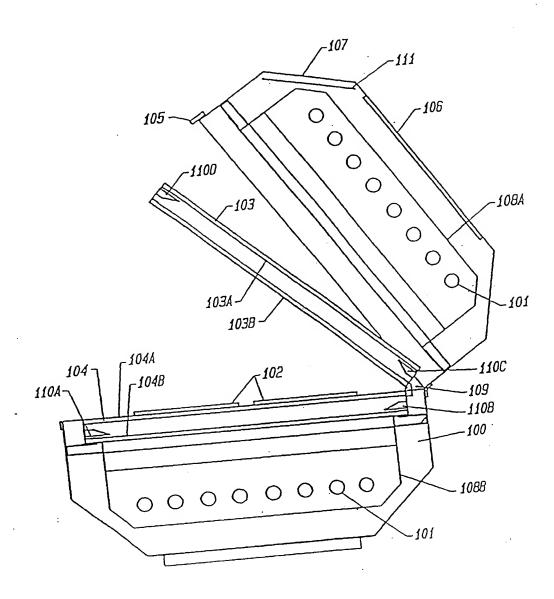
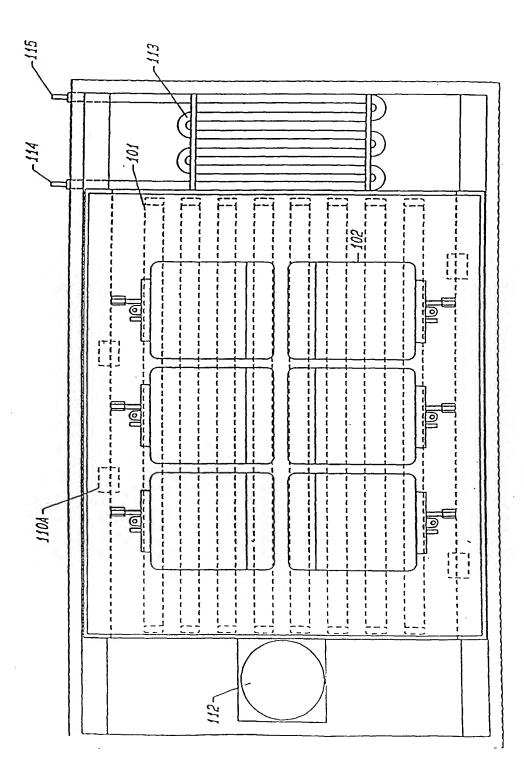


FIG. 2

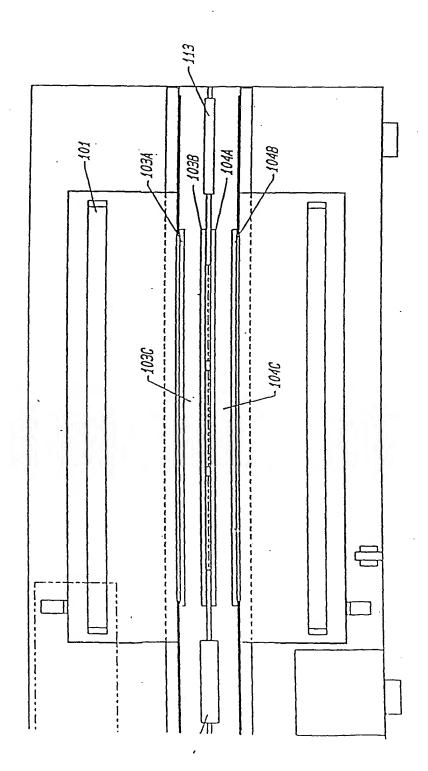
¥ :::.

Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS
Inventor(s): Derek 1: IEI and George D. CIMINO
Application No.:
976
Docket No.: 2821

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Docket No.: 282172000902



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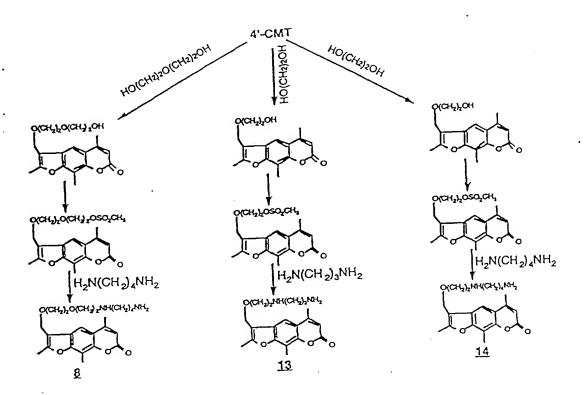


FIG. 5A

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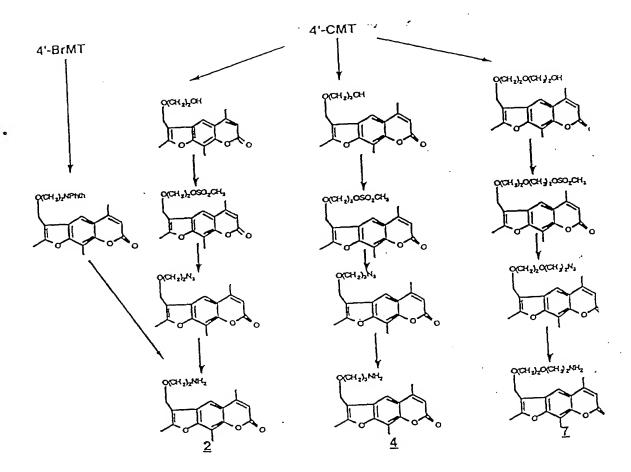


FIG. 5B

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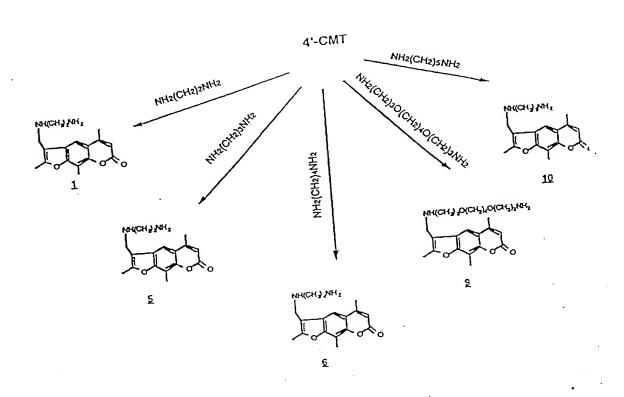


FIG. 5C

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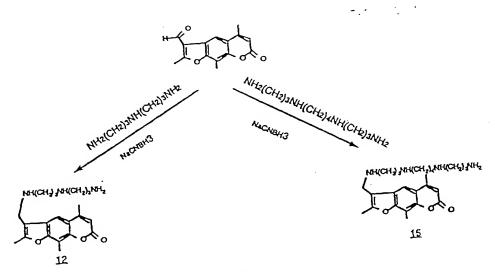


FIG. 5D

Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS

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4'-CMT

FIG. 5E

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4'-TMP 5'-CMT MHKCH 3 MH 5 17 <u> 16</u> 18

FIG. 5F

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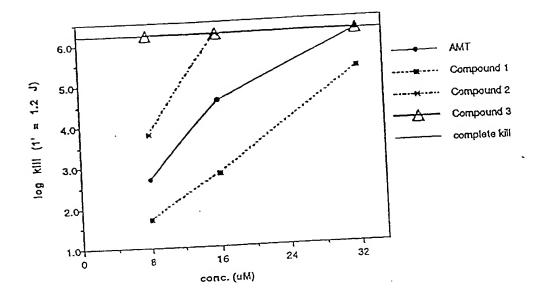
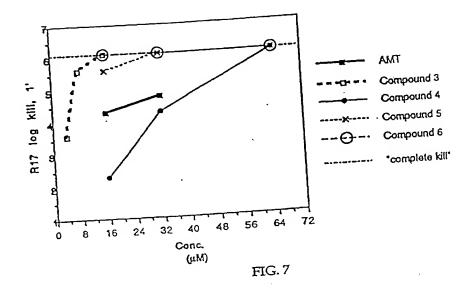


FIG. 6

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Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS

Inventor(s): k J. HEI and George D. CIMINO Application 10/051,976 Docket No.: 362172000902

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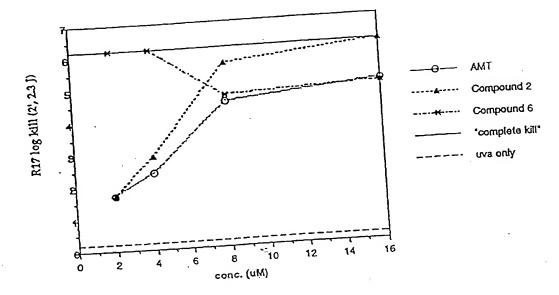


FIG.8

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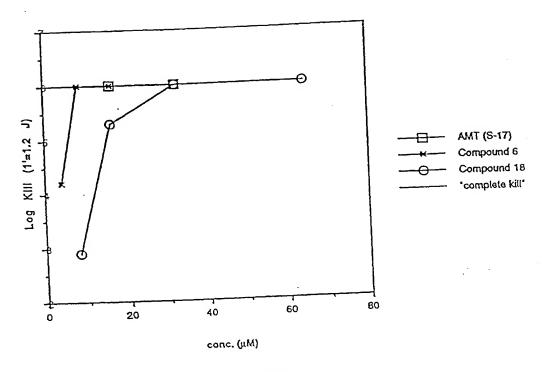


FIG.9

Inventor(s): D. HEI and George D. CIMINO Application N. 051,976 Docket No.: 282-72000902

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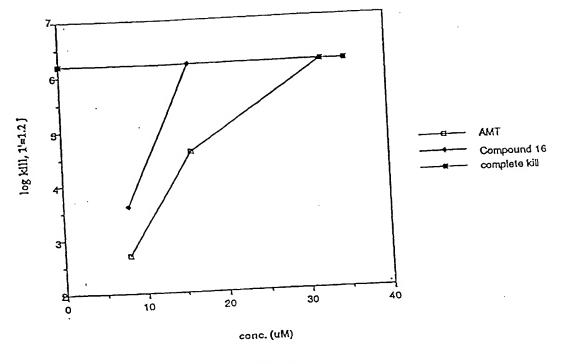


FIG. 10

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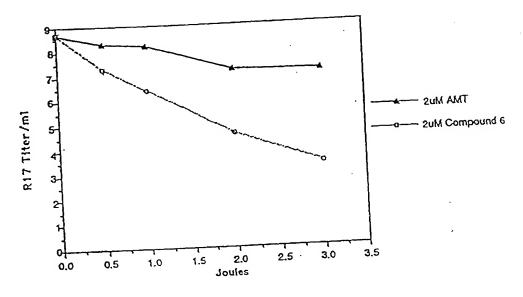


FIG. 11

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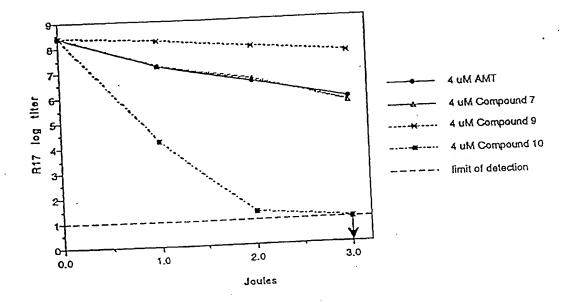


FIG. 12

Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS
Inventor(s): December HEI and George D. CIMINO
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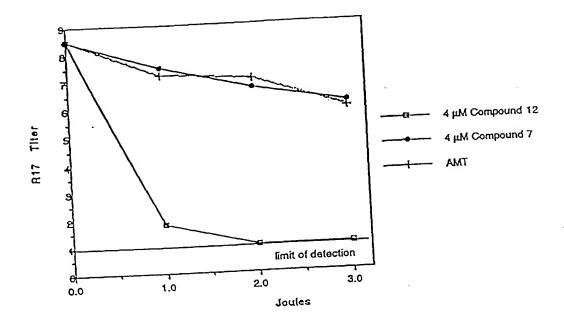


FIG. 13

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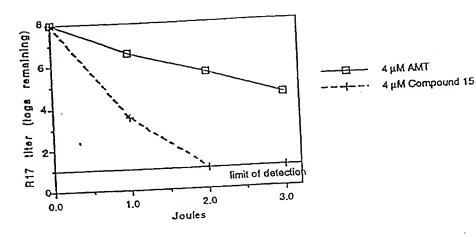


FIG. 14

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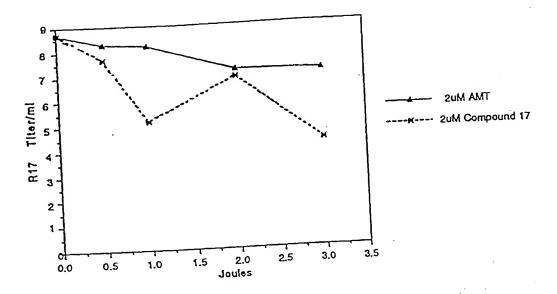


FIG. 15

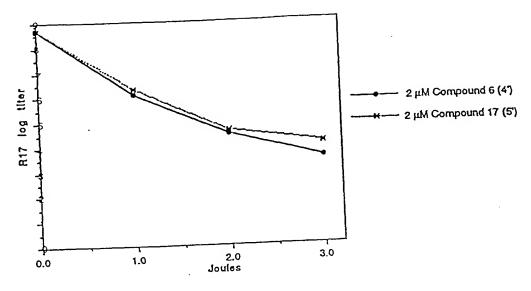


FIG. 16

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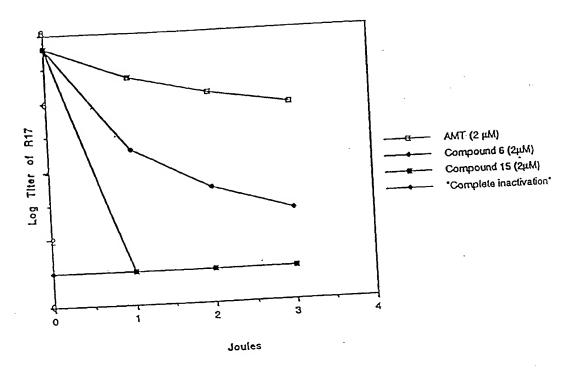


FIG. 17

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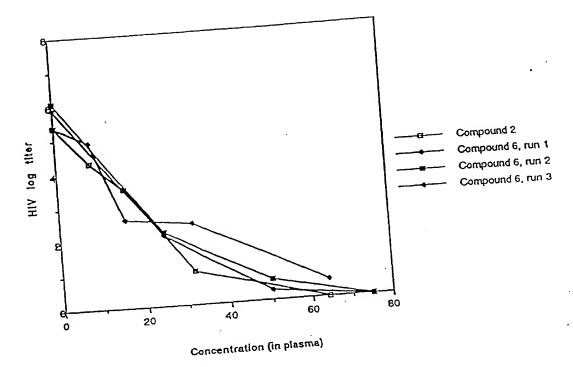


FIG. 18

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Inventor(s): D. HEI and George D. CIMINO Application Docket No.: 2827/2000902

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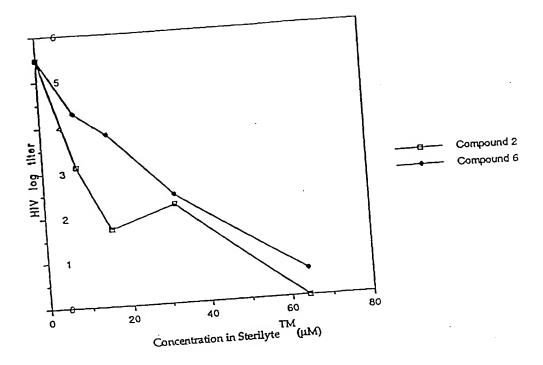
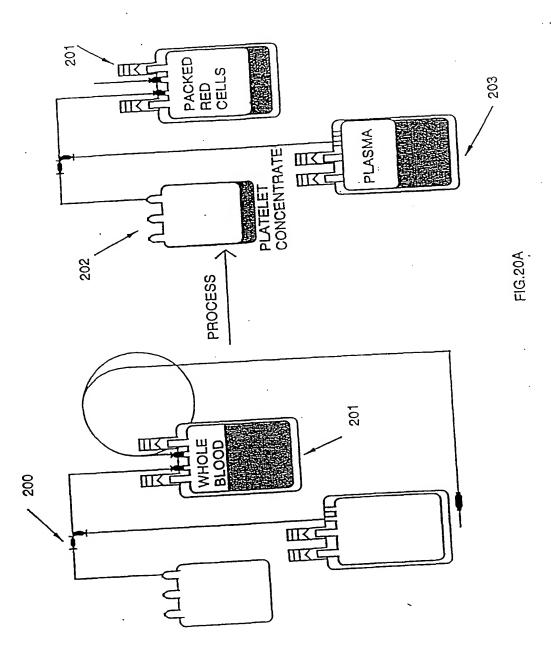


FIG. 19

Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS
Inventor(s) Teck J. HEI and George D. CIMINO
Application 10/051,976
Docket No. 252172000902

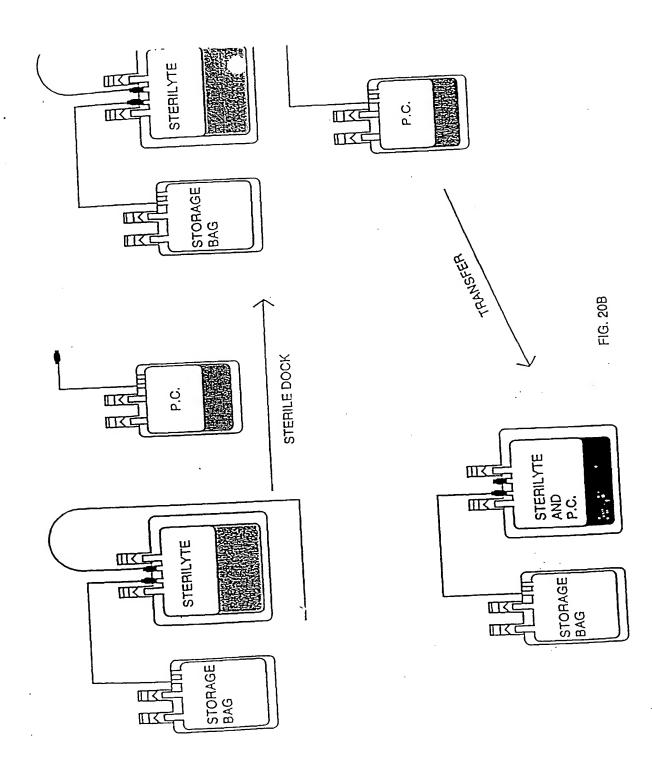
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HEI and George D. CIMINO

Inventor(s): De HEI and Application No 51,976 Docket No.: 2821-2000902

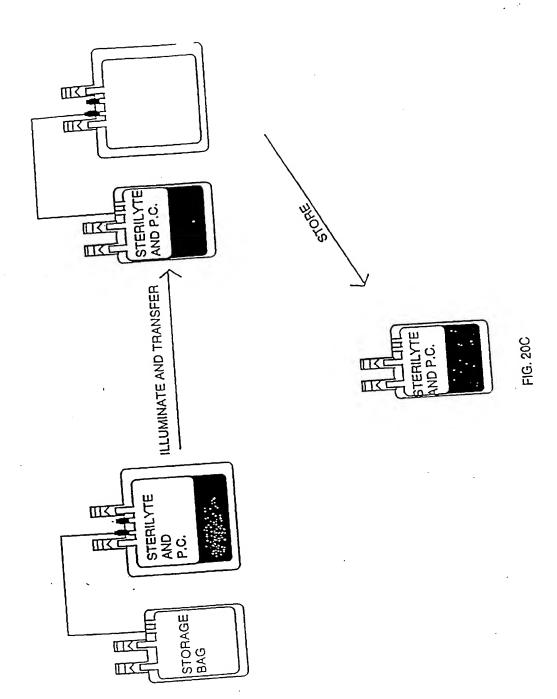
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Inventor(s)

k J. HEI and George D. CIMINO

Inventor(s) (J. HEI and George D. CIMINO Application 0/051,976 Docket No.: 262172000902

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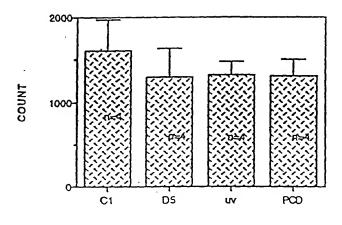


FIGURE 21A

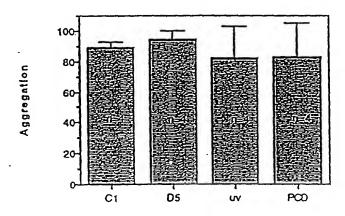


FIGURE 21B

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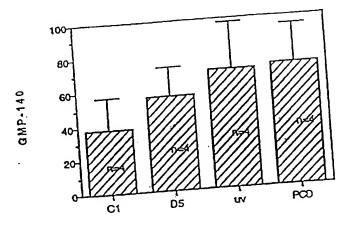


FIGURE 21C

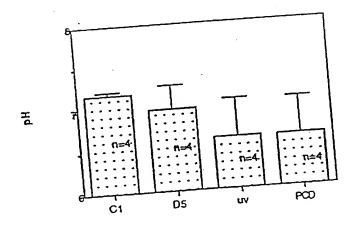


FIGURE 21D

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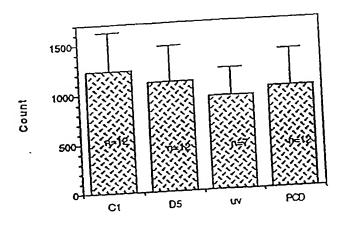


FIGURE 22A

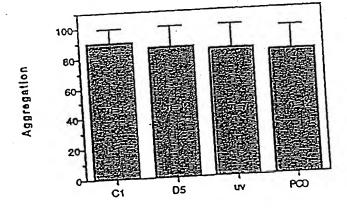


FIGURE 22B

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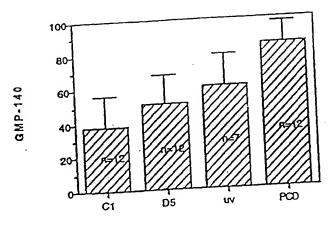


FIGURE 22C

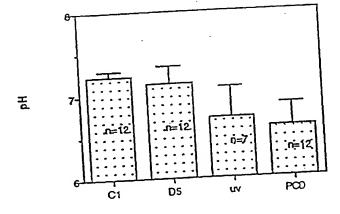


FIGURE 22D

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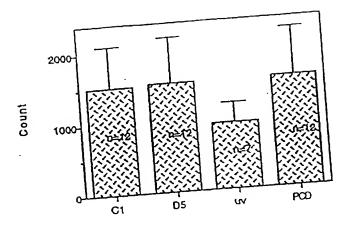


FIGURE 23A

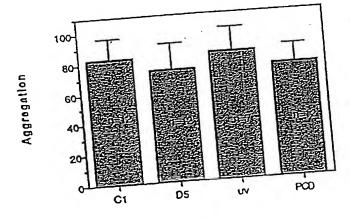


FIGURE 23B

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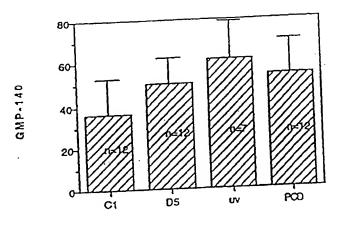
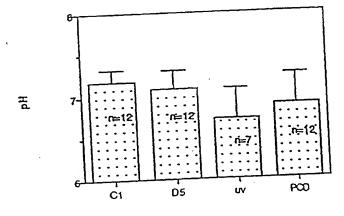


FIGURE 23C



· FIGURE 23D

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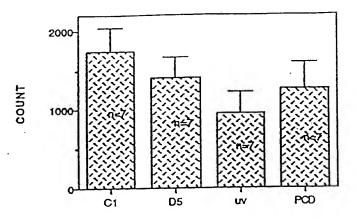


FIGURE 24A

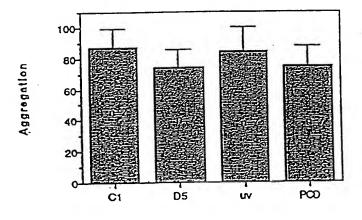


FIGURE 24B

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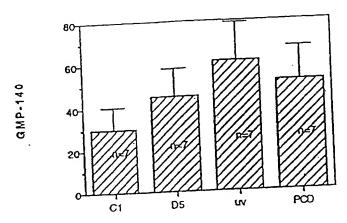


FIGURE 24C

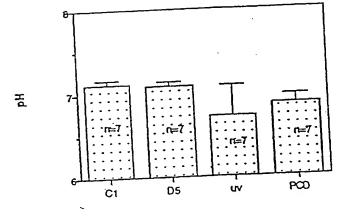


FIGURE 24D

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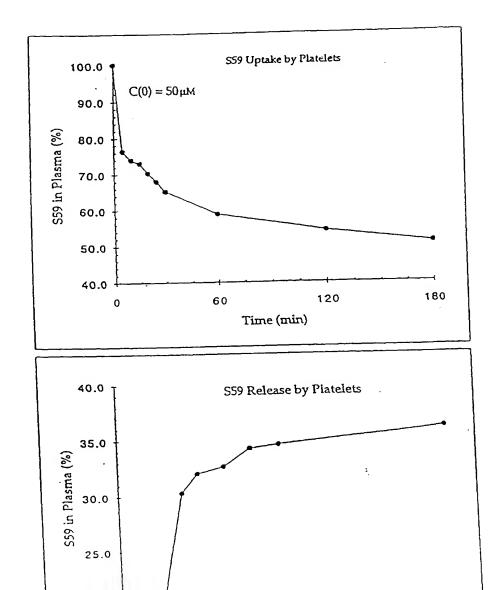
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Figure 25A



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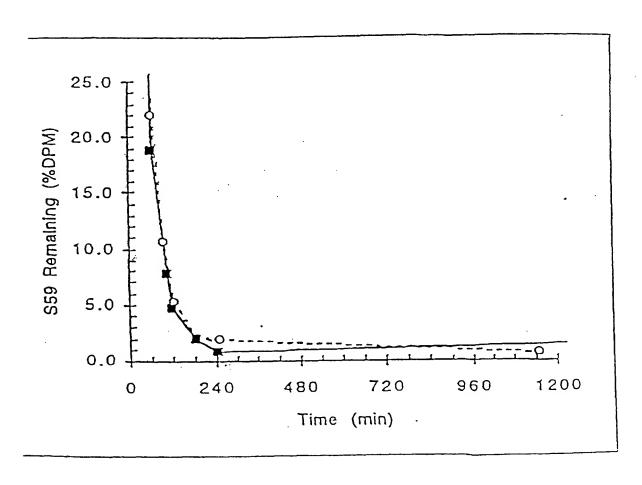
Time (mm)

20

10

40

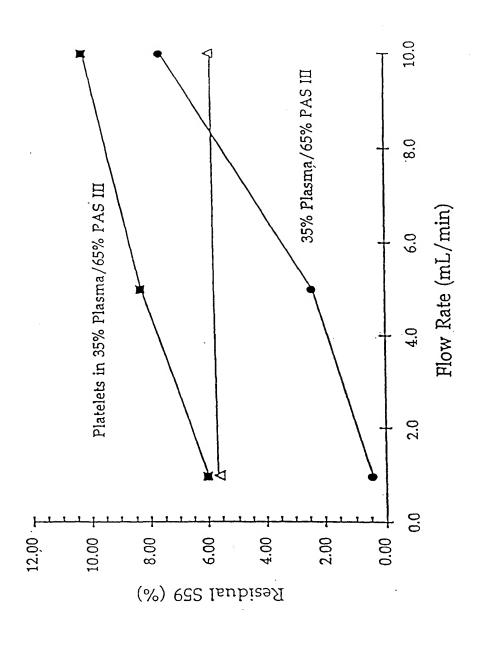
Figure 25B

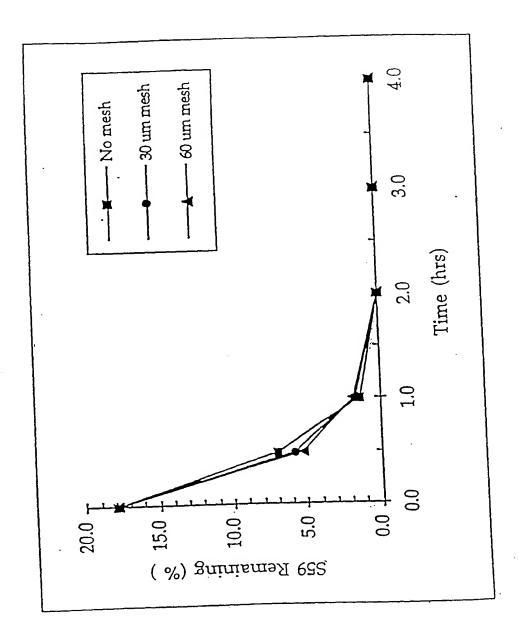


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Application No.: 10/051,976
Docket No.: 282172000902

Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM BLOOD PRODUCTS Inventor(s): Dereigh and George D. CIMINO

Inventor(s): Dere 13 and George D. CIMINO Application No.: 976
Docket No.: 282172000902

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Figure 28A

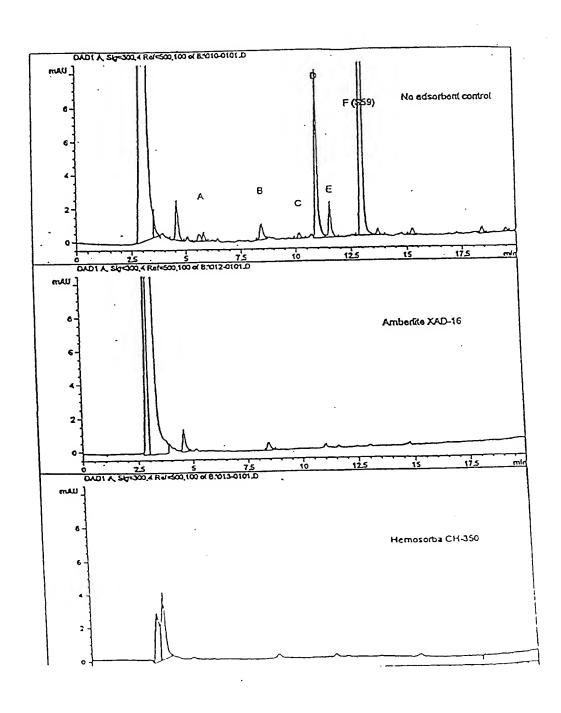
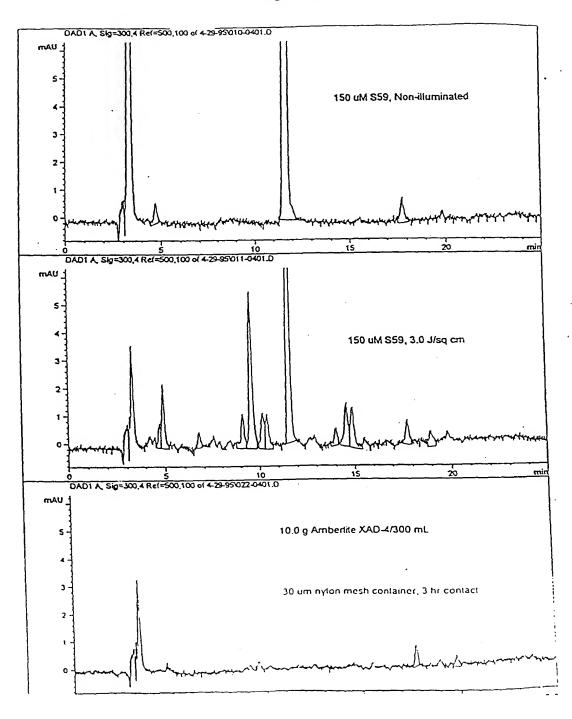
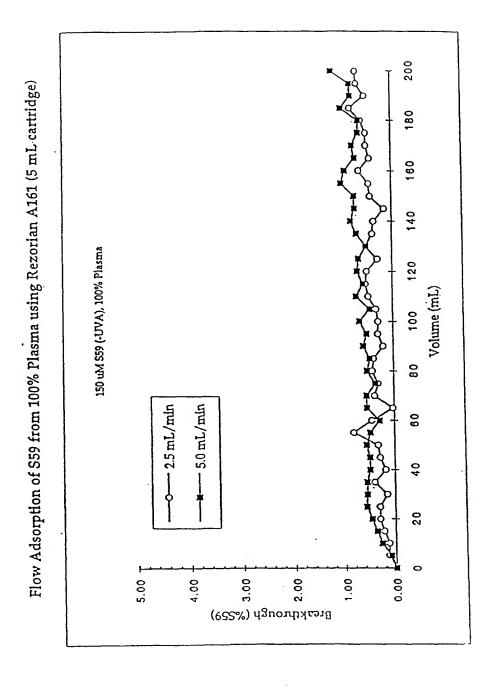


Figure 28B

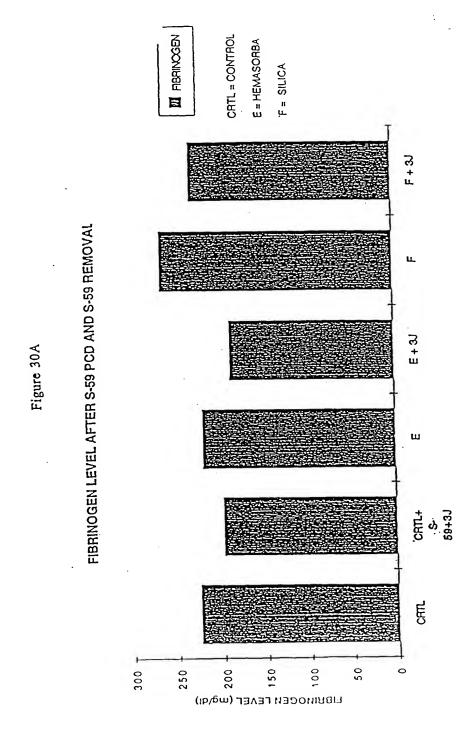






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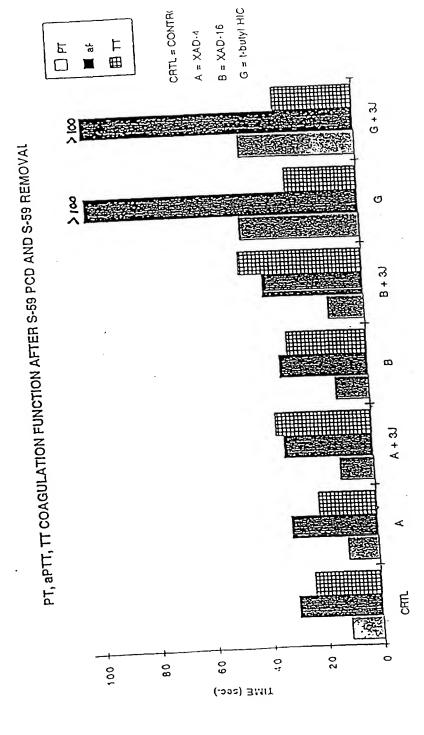
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CRTL = CONTROL FIBRINGEN G = t-buty! HIC B = XAD-16 A = XAD-4 G+3 FIBRINOGEN LEVEL AFTER S-59 PCD AND S-59 REMOVAL œ 150 001 20 200 300 250 ғівліносеи (mg/di)

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Figure 30C



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Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM Docket No.: 282172000902

Figure 30D

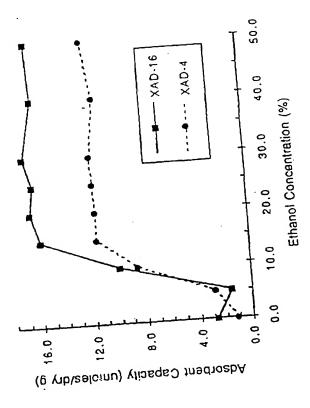
FACTOR VIII 图 FACTOR V ■ FACTOR IX G = t-butyl-HIC B = XAD-16 A = XAD-4 FACTOR V, FACTOR VIII AND FACTOR IX ACTIVITY AFTER S-59 PCD AND S-59 REMOVAL ನ + ೮ <14% മ B+33  $\mathbf{\omega}$ સ RE 120 10 100 90 80 **УПУПОА %** 

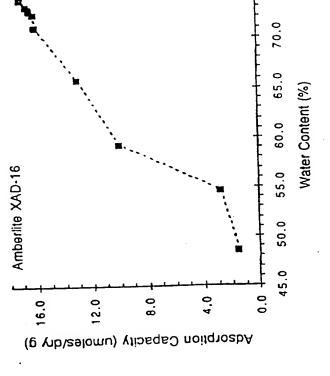
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Docket No.: 28217200902

Docket No.: 28217200902





Inventor(s): Derek J. HEI and George D. CIMINO Application No.: 10/051,976 Docket No.: 282172000902

Title: METHOD AND DEVICES FOR THE REMOVAL OF PSORALENS FROM

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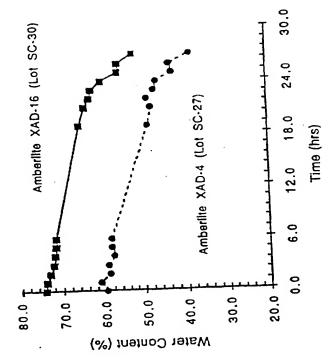


Figure 33

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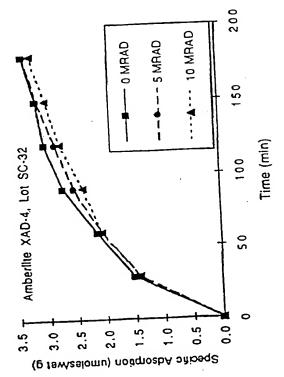


Figure 34-A

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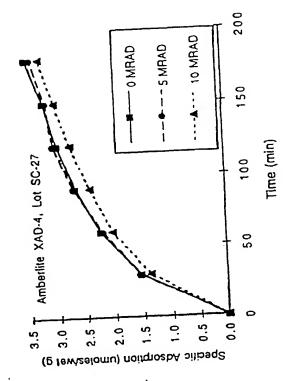
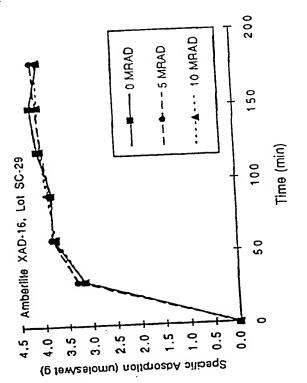


Figure 34-B

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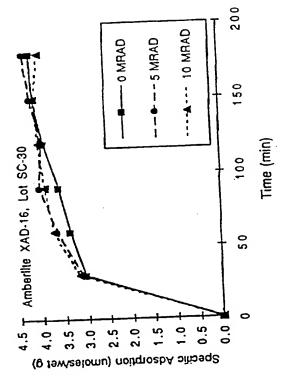


Figure 35-B



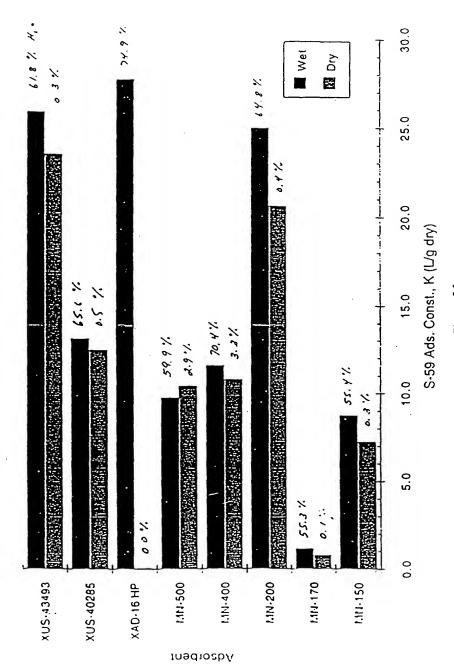


Figure 36

Inventor(s): D
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051,976
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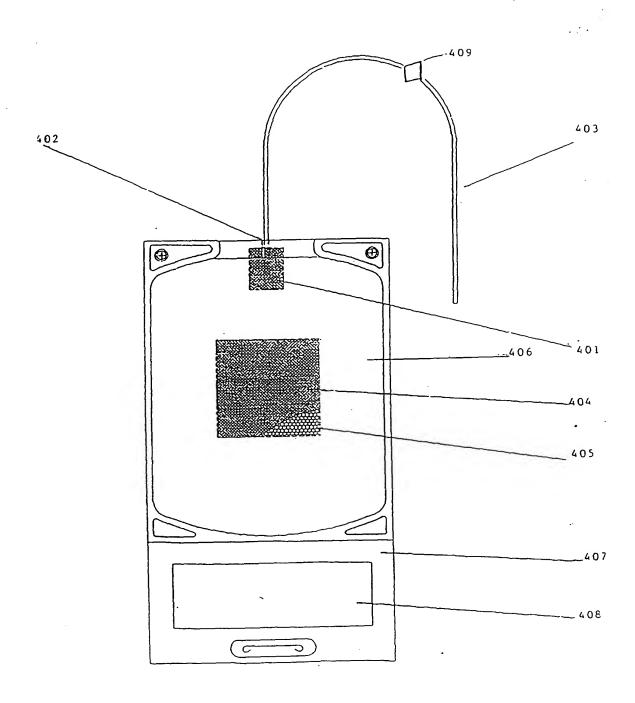


Figure 37

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TOURISE OHOSOR

Manufacture of Port Seal Subassembly		Manufacture of Filled Mesh Pouch	
A I Mesh (PL 1144 Plastic) arrives cleaned and cut to final dimension	<b>Q</b>	B 1 Mesh (PL 1144 Plastic) arrives cleaned and cut to final dimension	<b>@</b>
A 2 Mesh is folded longitudely and sealed transversely forming port filter open on one end	₩	B 2 Mesh is folded longitudely and sealed transversely forming mesh bag, open on one end	
A3 Port filter is sealed to port bushing completing port seal subassembly.	፟	B3 Mesh pouch is precision filled by weight with adsorbent beads and sealed closed	
		B 4 Pouches are cleaned in vacuum and subjected to 100% inspection.	

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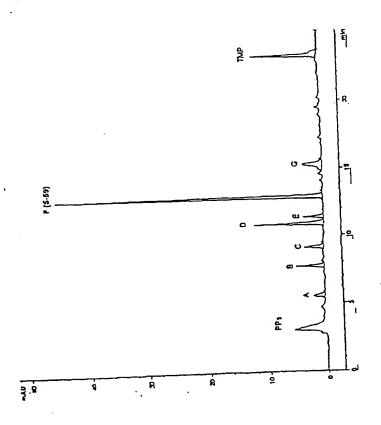
		<u> </u>	
Manufacture of PL 2410 Plastic Container		Completion o	IL SKD
C1 Sides of the container are formed by RF welding 2 plies PL 2410 Plastic, leaving bottom open. C2 Port filter is integrated into port seal of		D1 Finished mesh pouch is inserted into C2, the bottom sealed is made, forming nonsterile SRD. D2 SRD is labeled, inspected and placed in foil pouch.	
C3 Donor lead is sealed at the end and bonded inside port.		D3 Foil pouches (D2) are placed in cartons and subjected to gamma gradiation.	Sterdue

Figure 38 continued

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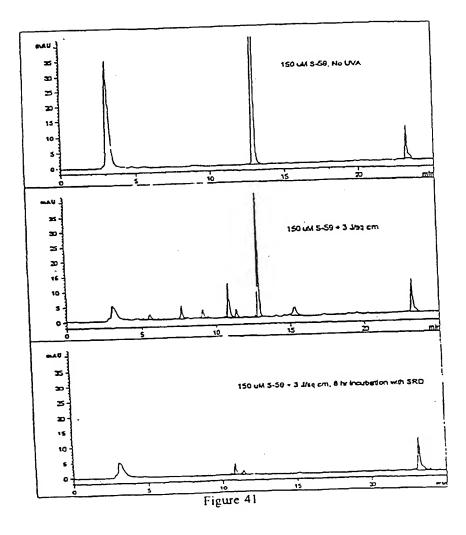
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HPLC Peak F (S-59)  NH2  O  S-59	Photoproduct E: Homodimer of S-59  HAN 2'HCI (NH2)
	Photoproduct D: Heterodimer of S-59  NH, 2:HCI

ek J. HEI and George D. CIMINO .: 10/051,976 Inventor

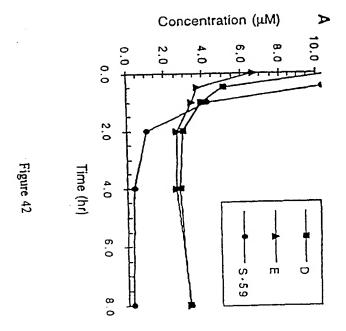
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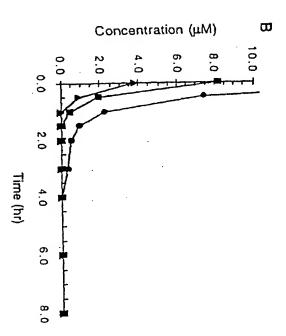
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